

## Panama Canal Regulations

## § 104.1

(c) Ships maneuvering in Canal waters with pilot on board shall fly "H".

[31 FR 12289, Sept. 16, 1966]

### § 103.41 Ships to display schedule number.

Each ship shall display throughout her transit, the flag or flags designating the schedule number on which it is running.

### § 103.42 Maneuvering characteristics; data required.

(a) Each vessel of 1,600 gross tons or over shall have the following maneuvering information prominently displayed in the wheelhouse on a fact sheet:

(1) For full and half speed, a turning circle diagram to port and starboard that shows the time and the distance of advance and transfer required to alter the course 90 degrees with maximum rudder angle and constant power settings.

(2) The time and distance required to stop the vessel from full and half speed while maintaining approximately the initial heading with minimum application of rudder.

(3) For each vessel with a fixed propeller, a table of shaft revolutions per minute for a representative range of speeds.

(4) For each vessel with a controllable pitch propeller, a table of control settings for a representative range of speeds.

(5) For each vessel that is fitted with an auxiliary device to assist in maneuvering, such as a bow thruster, a table of vessel speeds at which the auxiliary device is effective in maneuvering the vessel.

(b) For tankships, the maneuvering information referred to in paragraph (a) of this section shall be provided for the normal load and normal ballast condition. For all other vessels, it shall be provided for the normal load and normal light condition with normal trim for a particular condition of loading. All the maneuvering information for all vessels which must be provided to be based on the following:

(1) Calm weather—wind 10 knots or less, calm sea;

(2) No current;

(3) Deep water conditions—water depth twice the vessel's draft or greater; and

(4) Clean hull.

(c) The information on the fact sheet shall be:

(1) Verified six months after the vessel is placed into service; or

(2) Modified six months after the vessel is placed into service and verified within three months thereafter.

(d) The information that appears on the fact sheet may be obtained from:

(1) Trial trip observations;

(2) Model tests;

(3) Analytical calculations;

(4) Simulations;

(5) Information established from another vessel of similar hull form, power, rudder and propeller; or

(6) Any combination of the above.

The accuracy of the information in the fact sheet required is that attainable by ordinary shipboard navigation equipment.

(Approved by the Office of Management and Budget under control number 3207-0001)

[41 FR 21776, May 28, 1976. Redesignated at 46 FR 63182, Dec. 30, 1981, and amended at 50 FR 26991, July 1, 1985]

## PART 104—VESSEL TRANSIT RESERVATION SYSTEM

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AUTHORITY: 22 U.S.C. 3811.

SOURCE: 62 FR 48179, Sept. 15, 1997, unless otherwise noted.

### § 104.1 Applicability and scope.

Subject to the limitations imposed by Article III of the 1901 Treaty to Facilitate the Construction of a Ship Canal, entered into by the United